

ID	As a..	I want to be able to ..	So that I can..
1 User		create custom beats	make my own sounds for music
2 User		Store beats in directories through the software	organize my sound bites
3 User		add name and description to beats	keep track of what each sound bite is
4 User		edit a beat once it is done	make changes if I want
5 User		play beats back	hear back what I've made
6 User		stitch beats together end to end	make longer songs
7 User		play beats over one another	make more complicated beats
8 User		create custom synths	make my own sounds for music
9 User		store synths in directories through the software	organize my sound bites
10 User		add name and description to synths	keep track of what each sound bite is
11 User		edit a synth once it is done	make changes if I want
12 User		play synths back	hear back what I've made
13 User		stitch synths together end to end	make longer songs
14 User		play synths over one another	make more complicated synths
15 User		receive MIDI input	so that I can load pre-made sounds externally
16 User		transmit MIDI output	so that I can transmit the music
17 User		create an audio file	write my music to it
18 User		comment on the audio file	track sentiments on the entire song
19 User		comment on specific moments of the audio file	track on how each section sounds and feels
20 User		save a project	so that it can be opened and worked on later
21 User		Close a file	cease using it for my project
22 User		See the different mp3 files that are playing	see which song/sound is playing
23 User		See the different beats that are playing	see the various beats i have opened/made
24 User		Get help with the software	Go to the Github page
25 User		See the different synths that are playing	control my synths

26 User	save my work to a file	save it for later or share it
27 User	play my synth recordings back	hear what I'm working on
28 User	record my synthesizer	produce music

ID

Requirements

The software shall be able to open a new file to store
1 a beat in

The software shall be able to store beats in a directory
2.1 of the user's choice

2.2 The software shall be able to create new directories

3.1 The software shall be able to name a beat file

The software shall be able to add a description to a
3.2 beat's file

4 The software shall be able to edit a beat

5 The software shall be able to play beats back

6 The software shall be able to attach beats together

The software shall allow simultaneous playback of
7 multiple beats

The software shall be able to open a new file to store
8 a synth in

The software shall be able to store synths in a
9 directory of the user's choice

10.1 The software shall be able to name a synth file

- 10.2 The software shall be able to add a description to a synth's file
- 11 The software shall be able to edit a synth
- 12 The software shall be able to play synths back
- 13 The software shall be able to attach synths
- 14 The software shall allow simultaneous playback of multiple synths
- 15 The software shall be able input to be received using MIDIMessenger
- 16 The software shall be able to transmit midi output
- 17 The software shall be able to create an audio file
- 18 The software shall allow the user to comment on the audio file
- 19 The software shall allow the user to comment on specific moments in the audio file
- 20 The software shall be able to save open files as a project
- 21 The software shall be able to close an open file
- 22 The software shall show the different files playing
- 23 The software shall show the different beats that are playing
- 24 The About in the menu bar will direct the user to the softwares github page
- 25 The software shall allow control over the synths that are open